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OM nucleic - nucleic search, using sw model

Run on: September 23, 2001, 03:09:00 : Search time 192.58 Seconds
(without alignments)
1097.057 Million cell updates/sec

Title: US-08-978-217-1
Perfect score: 1116
Sequence: 1 ATGGCTGCACCTGTGAGAT.....TTCTCCAGAGTGGCAACTGA 1116

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 324599 seqs, 94655562 residues

Total number of hits satisfying chosen parameters: 649198

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5a_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5b_COMB.seq:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1109.6	99.4	1920	1	US-08-746-789A-1
2	173.8	15.6	5427	3	US-09-009-913-2
3	173.8	15.6	5510	3	US-09-009-913-3
4	173.8	15.6	5667	3	US-09-009-913-4
5	162.6	14.6	848	3	US-09-009-913-338
6	101.2	9.1	2280	3	US-09-009-913-8
7	101.2	9.1	2428	3	US-09-009-913-6
8	101.2	9.1	2498	3	US-09-009-913-10
9	84.8	7.6	2266	2	US-09-213-767-1
10	73.4	6.6	2975	1	US-08-368-281-1
11	73.4	6.6	3240	1	US-08-368-281-3
12	66.6	6.0	1752	4	US-09-360-779-1
13	65.6	5.9	2268	3	US-09-344-579-1
14	63.4	5.7	2938	2	US-08-343-443B-3
15	59.8	5.4	2667	2	US-08-469-412A-1
16	59.8	5.4	2667	4	US-09-021-715-1
17	59.4	5.3	2064	3	US-08-875-944B-1
18	59.4	5.3	2064	4	US-09-116-049-3
19	51.4	4.6	2410	2	US-08-780-835B-1
20	51.4	4.6	2410	4	US-09-303-268-1
21	51.4	4.6	2410	4	US-09-116-049-1
22	51.2	4.6	7218	1	US-08-232-463-14
23	49.6	4.4	1604	1	US-08-306-691B-43
24	49.6	4.4	1604	5	PCT-US93-06251-9
25	43.6	3.9	1364	1	US-08-306-691B-50
26	43.6	3.9	1364	5	PCT-US93-06251-65
27	41.8	3.7	2344	2	US-08-469-412A-6

28	41.8	3.7	2544	4	US-09-021-715-6	Sequence 6, Appl1
29	38.8	3.5	2089	1	US-07-977-630-81	Sequence 81, Appl1
30	38.8	3.5	2089	1	US-07-977-630-82	Sequence 82, Appl1
31	38.8	3.5	3993	1	US-08-316-950-14	Sequence 14, Appl1
32	38.8	3.5	3993	5	PCT-US95-12642-14	Sequence 14, Appl1
33	38.8	3.5	5173	1	US-08-242-677-1	Sequence 1, Appl1
34	38.8	3.5	6044	1	US-08-316-950-18	Sequence 18, Appl1
35	38.8	3.5	6044	5	PCT-US95-12642-18	Sequence 18, Appl1
36	38.8	3.5	50341	1	US-08-247-901C-1	Sequence 1, Appl1
37	38.8	3.5	50341	2	US-09-075-904C-1	Sequence 1, Appl1
38	38.8	3.5	52297	4	US-09-426-436-1	Sequence 2, Appl1
39	36.6	3.3	3358	3	US-09-248-572-2	Sequence 2, Appl1
40	36.2	3.2	11219	1	US-07-642-734C-1	Sequence 1, Appl1
41	36.2	3.2	11219	3	US-08-439-009A-1	Sequence 1, Appl1
42	36	3.2	1155	2	US-08-675-650B-3	Sequence 3, Appl1
43	36	3.2	1155	3	US-08-907-608-3	Sequence 3, Appl1
44	35.6	3.2	1157	1	US-07-709-949-1	Sequence 1, Appl1
45	35.4	3.2	978	4	US-09-385-028-18	Sequence 18, Appl1

ALIGNMENTS

```
RESULT 1
US-08-746-789A-1
; Sequence 1, Application US/08746789A
; Patent No. 5789200
;
GENERAL INFORMATION:
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road, P.O. Box 1539
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: MICROSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/746,789A
FILING DATE: 15, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: William T. Han 34,344
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: ATG 50024
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610 270 5219
TELEFAX: 610 270 4026
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1920
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: NO
US-08-746-789A-1

Query Match 99.4%; Score 1109.6; DB 1; Length 1920;
Best Local Similarity 99.6%; Pred. No. 9.6e-273;
Matches 1112; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
1 ATGGCTGCACCTGTGAGATTAGCACATTTTGGCAACTTTCAGTCGATACAGC 60
|||||
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Db 115 ATGGCTGCAACCTGTGAGATTAGCAACATTTTTCAGCACTACTTTCAGTGTACAGC 174
QY 61 TCGAGAGACTCCACCTCGCTCTGTTCCTCCCTGCTGCCACCTTTGGGGCCGATGACTTG 120
Db 175 TCGAGAGACTCCACCTCGCTCTGTTCCTCCCTGCTGCCACCTTTGGGGCCGATGACTTG 224
QY 121 GTACTGACCTTGAGCAACCCCAAGATGTATGAGAGGTACAGAGAAGCCACCTGATTG 180
Db 235 GTACTGACCTTGAGCAACCCCAAGATGTATGAGAGGTACAGAGAAGCCACCTGATTG 224
QY 181 GGGGAACACCCCAAGTCTGTGTGTAAGAGCGAGAGTCTGTGACCTGAGATACCAAGTG 240
Db 295 GGGGAACACCCCAAGTCTGTGTGTAAGAGCGAGAGTCTGTGACCTGAGATACCAAGTG 354
QY 241 GAGAGAACAAGTACGAGCAAGCGCCATTGACTTCTCAGATGTACATGATGAGCGCC 300
Db 355 GAGAGAACAAGTACGAGCAAGCGCCATTGACTTCTCAGATGTACATGATGAGCGCC 414
QY 301 ACCCTCTGCAATTTGTCCTTGAAGAGCTGCGTCTGTGGGCTCTGGGGGACCAA 360
Db 415 ACCCTCTGCAATTTGTCCTTGAAGAGCTGCGTCTGTGGGCTCTGGGGGACCAA 474
QY 361 CTCCTAGCCCACTGCGAACCCTCACTTCCAGCTCTTGTGATGAGTCAAGTGTGATCATT 420
Db 475 CTCCTAGCCCACTGCGAACCCTCACTTCCAGCTCTTGTGATGAGTCAAGTGTGATCATT 534
QY 421 GAGCTGCTGAGAGAGATGGATGGCTTTCAGAGAGCCCTAGACCAGGCGCTTGTGAC 480
Db 535 GAGCTGCTGAGAGAGATGGATGGCTTTCAGAGAGCCCTAGACCAGGCGCTTGTGAC 594
QY 481 CAGGCGAGCCCTTTGCCCCAGAGAGCTGTGAGAGCGTACAGCAAGCCCTTACAC 540
Db 595 CAGGCGAGCCCTTTGCCCCAGAGAGCTGTGAGAGCGTACAGCAAGCCCTTACAC 654
QY 541 CCGGCGAGCTGTGGGCGAGAGAGCCCTTCCCTGCGAGCTGTGAGTCTTCCACCGAGAG 600
Db 655 CCGGCGAGCTGTGGGCGAGAGAGCCCTTCCCTGCGAGCTGTGAGTCTTCCACCGAGAG 714
QY 601 ACTGCTGCTTCTGAGAGCTCCACTCTCTCAGACTCCGCTGGAAGTACGTCGACTGAT 660
Db 715 ACTGCTGCTTCTGAGAGCTCCACTCTCTCAGACTCCGCTGGAAGTACGTCGACTGAT 774
QY 661 CCGACTGATGCGAGCTCTTCCCAAGCATGCTTTCGTGATGCTCAAGAGAGGGGATCCC 720
Db 775 CCGACTGATGCGAGCTCTTCCCAAGCATGCTTTCGTGATGCTCAAGAGAGGGGATCCC 834
QY 721 AAGCAGGGAAGGGAAGAGAGGCGGCGCCCAAGAGCTGAGCAAAAGATGCTGGACTGT 780
Db 835 AAGCAGGGAAGGGAAGAGAGGCGGCGCCCAAGAGCTGAGCAAAAGATGCTGGACTGT 894
QY 781 CTCGAGGCGCAAGAGCAAGCAGCGCCAGAGCACCACCTGTGGAGTTTCATCCGG 840
Db 895 CTCGAGGCGCAAGAGCAAGCAGCGCCAGAGCACCACCTGTGGAGTTTCATCCGG 954
QY 841 GACATCTCTATCACCAGGAGCTCAACGAGGCTCTATGAGTGGAGATTCGGCATGAA 900
Db 955 GACATCTCTATCACCAGGAGCTCAACGAGGCTCTATGAGTGGAGATTCGGCATGAA 1014
QY 901 GGGCTTTCAGTTCCTGTGGGCTCCGAGGCTGTGGGCTCATGAGGCGCAAAAAGAAAAG 960
Db 1015 GGGCTTTCAGTTCCTGTGGGCTCCGAGGCTGTGGGCTCATGAGGCGCAAAAAGAAAAG 1074
QY 961 AACAGCAACATGACCTACGAGAACTGAGCCGCGCATGAGTACTACTACAAACGGAG 1020
Db 1075 AACAGCAACATGACCTACGAGAACTGAGCCGCGCATGAGTACTACTACAAACGGAG 1134
QY 1021 ATCTCTGGAACGGGTGATGCGCGGCGATCTGTCTACAAAGTTTGGCAAAAACCTCAAGCGG 1080
Db 1135 ATCTCTGGAACGGGTGATGCGCGGCGATCTGTCTACAAAGTTTGGCAAAAACCTCAAGCGG 1194
QY 1081 TGAAGGAGAGAGGCTCTCCAGAGTCCGAACTGA 1116
Db 1195 TGAAGGAGAGAGGCTCTCCAGAGTCCGAACTGA 1230

RESULT 2
US-09-009-913-2
; Sequence 2, Application US/0900913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEO-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5427 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-2
Query Match 15.6%; Score 173.8; DB 3; Length 5427;
Best Local Similarity 69.7%; Pred. No. 4,4e-35;
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;
QY 758 TGAAGCAAGAGTACTGGAGCTCTCGAGGGCAAGAGAGCAAGCGGCGCCAGAGCA 817
Db 709 TGAAGCAAGAGTACTGGAGCTCTCGAGGGCAAGAGAGCAAGCGGCGCCAGAGCA 768
QY 818 CCCACCTGTGGAGTTCATCCCGGACATCCTCATCCACCAGGAGCTCAACGAGAGGCTCA 877
Db 769 CTCACCTTATGGAATTCATCCCGGACATCCTCTTGAACCCAGCAAGACCCGAGTTAA 828
QY 878 TGAAGTGGAGATCGGATGAAAGGCTCTTCAAGTTCTTGCCTCCGAGGCTGTGGCCC 937
Db 829 TAAAGTGGAGACCGATCGAGGGGCTCTTCAGGTTCTTGAATATCAGAGCGAGTGGCTC 888
QY 938 AACTATGGGCGCCAAAAGAAAGACAGCAACATGACTACGAGAGCTGAGCGGGGCA 997
Db 889 AGCTATGGGCTAAGAAAGAAAGAACACAGCAGCTATGAAAGCTCAGCGGAGCTA 948
QY 998 TGAAGTACTACTACAAACGGAGATCTGGAACGGGTGATGAGCGCGGAGCTGTCTACA 1057
Db 949 TGAAGTACTACTACAAAGAAATATCTGAGCGCTGTGATGAGCAAGACTGTATATA 1008
QY 1058 AGTTTGGCAAAAACCTCAAGCGGCTGGAAGGAGAGCA 1094

Db 1009 AATTGGGAAGATGCCCGAGGATGGAGAGAAATGA 1045

RESULT 3

US-09-009-913-3

; Sequence 3, Application US/09009913

; Patent No. 6087485

; GENERAL INFORMATION:

; APPLICANT: AXY'S Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma Related Genes

; NUMBER OF SEQUENCES: 339

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Bozicevic & Reed, LLP

; STREET: 285 Hamilton Ave, Suite 200

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/009,913

; FILING DATE: 21-JAN-1998

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEFAX: 650-327-3231

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5510 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-09-009-913-3

Query Match 15.6%; Score 173.8; DB 3; Length 5510;
Best Local Similarity 69.7%; Pred. No. 4.4e-35;
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 758 TGAAGCAAGAGTACTGGGACTGTCTCGAGGGCAAGAGACACACCCCGAGAGCA 817
DB 792 TGAAGCAAGAGGACAGACCCCTGCGCAAGTGCACACCAAAAGACACACCGAGAGGA 851
QY 818 CCCACCTGTGGAGTTTATCCGGGACATCCTCATCCACCGGAGCTCAACGAGGCTCA 877
DB 852 CTCACCTATGGGATTCATCCGGGACATCCTCTTGAACCCAGCAACAAACCCAGATTAA 911
QY 878 TGAAGTGGGAGATTCGGCATGAAGGCTCTTCAAGTCTCGCGCTCCGAGCTGTGCC 937
DB 912 TAAAGTGGGAGGACCGATCTGAGGGGCTCTTCAAGTCTTGAATATCAGAGGAGTGCCTC 971
QY 938 AACTATGGGGCCAAAAGAAAAGAACGACATGACCTCGAGAACCTGAGCCGGGCCA 997
DB 972 AGCTATGGGGTAAAGAAAGAACACAGCAGATGACCTATGAAAAGCTCAGCCGAGCTA 1031
QY 998 TGAAGTACTACTCAAAACGAGAGATCCTGGAAAGGGGTGATGGCGGAGACTGCTTACA 1057
DB 1032 TGAGATATTACTCAAAAGAAATATGAGAGGCTGTGATGGAGCAAGACTGTTATATA 1091
QY 1058 AGTTTGGCAAAACTCAAGCGGCTGGAAGAGAGAGA 1094

Db 1092 AATTGGGAAGATGCCCGAGGATGGAGAGAAATGA 1128

RESULT 4

US-09-009-913-4

; Sequence 4, Application US/09009913

; Patent No. 6087485

; GENERAL INFORMATION:

; APPLICANT: AXY'S Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma Related Genes

; NUMBER OF SEQUENCES: 339

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Bozicevic & Reed, LLP

; STREET: 285 Hamilton Ave, Suite 200

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/009,913

; FILING DATE: 21-JAN-1998

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEFAX: 650-327-3231

; TELEX:

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5667 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-09-009-913-4

Query Match 15.6%; Score 173.8; DB 3; Length 5667;
Best Local Similarity 69.7%; Pred. No. 4.5e-35;
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 758 TGAAGCAAGAGTACTGGGACTGTCTCGAGGGCAAGAGACACACCCCGAGAGCA 817
DB 949 TGAAGCAAGAGGACAGACCCCTGCGCAAGTGCACACCAAAAGACACACCGAGAGGA 1008
QY 818 CCCACCTGTGGAGTTTATCCGGGACATCCTCATCCACCGGAGCTCAACGAGGCTCA 877
DB 1009 CTCACCTATGGGATTCATCCGGGACATCCTCTTGAACCCAGCAACAAACCCAGATTAA 1068
QY 878 TGAAGTGGGAGATTCGGCATGAAGGCTCTTCAAGTCTCGCGCTCCGAGCTGTGCC 937
DB 1069 TAAAGTGGGAGGACCGATCTGAGGGGCTCTTCAAGTCTTGAATATCAGAGGAGTGCCTC 1128
QY 938 AACTATGGGGCCAAAAGAAAAGAACGACATGACCTCGAGAACCTGAGCCGGGCCA 997
DB 1129 AGCTATGGGGTAAAGAAAGAACACAGCAGATGACCTATGAAAAGCTCAGCCGAGCTA 1188
QY 998 TGAAGTACTACTCAAAACGAGAGATCCTGGAAAGGGGTGATGGCGGAGACTGCTTACA 1057
DB 1189 TGAGATATTACTCAAAAGAAATATGAGAGGCTGTGATGGAGCAAGACTGTTATATA 1248

QY 1058 AGTTGGCAAAACCTCAGCGGCTGAGAGAGAGA 1094
| | | | | | | | | | | | | | | | | | | | | |
Db 1249 AATTGGAGAGATGCCCGAGATGAGAGAAATGA 1285

RESULT 5

US-09-009-913-338
; Sequence 338, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 338:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 848 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..848
; OTHER INFORMATION:
; US-09-009-913-338

Query Match 14.6%; Score 162.6; DB 3; Length 848;
Best Local Similarity 72.7%; Pred. No. 1.7e-32;
Matches 210; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 758 TGAAGCAAAAGTACTGCTGCTGAGGCAAGAGACAGCGCCAGAGGCA 817
| | | | | | | | | | | | | | | | | | | | | |
Db 560 TGAAGAGGAGCAAGACCCCTGTAAGTCCACACCAAAAGACACCCCAAGAGGCA 619
| | | | | | | | | | | | | | | | | | | | | |
QY 818 CCACCTGTGGAGTTCATCCGCGGACATCCTCATCCACCCGAGGCTCAACGAGGCTCA 877
| | | | | | | | | | | | | | | | | | | | | |
Db 620 CTCACCTTATGGAGTTCATCCGAGACATTCTTTGAGCCAGACAGAACCCAGGCTGA 679
| | | | | | | | | | | | | | | | | | | | | |
QY 878 TGAAGTGGAGAAATCGCATGAAAGGCTCTTCAAGTTCTCGCGCTCGAGGCTGTGGCC 937
| | | | | | | | | | | | | | | | | | | | | |
Db 680 TCAAAATGGAGAACCGTTCGGAAGGATCTTCAGGTTCCGGAAGTCAGAAAGCTGTGGCTC 739
| | | | | | | | | | | | | | | | | | | | | |
QY 938 AACTATGGGGCCCAAGAAAGAAAGACAGCAACATGACCTACGGAAGCTGAGCCGGCCA 997
| | | | | | | | | | | | | | | | | | | | | |
Db 740 ACCTGTGGGGAAAGAAAGAAATACAGTAGATGACATACGAGAGCTCAGCGGCTCA 799

QY 998 TGAGTACTACTACAAACGGAGATCCTGAGACGGTGATGCGCGCG 1046
| | | | | | | | | | | | | | | | | | | | | |
Db 800 TGAGATATTACTACAAACGAGAAATCTCGAAGCTGTGATGACGACG 848

RESULT 6

US-09-009-913-8
; Sequence 8, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-8

Query Match 9.1%; Score 101.2; DB 3; Length 2280;
Best Local Similarity 61.7%; Pred. No. 9e-17;
Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;

QY 808 CCCAGAGGACCCACCTGTGGAGATTCATCCGGAGATCCTCATCCACCGGAGCTCAAC 867
| | | | | | | | | | | | | | | | | | | | | |
Db 548 CTCGAAAGTCTCATCTATGGAATTTGTACGAGACTGTTCTATCTCTCTGAGAAAGC 607
| | | | | | | | | | | | | | | | | | | | | |
QY 868 GAGGGCTCATGAGTGGGGAATCGGCATGAAGGCTCTTCAAGTTCTCGCGCTCCGAG 927
| | | | | | | | | | | | | | | | | | | | | |
Db 608 TGTGGCATTCGTGAATGGGAATAGGAACAAGAAATTTTGGGGTGAATATCGGAA 667
| | | | | | | | | | | | | | | | | | | | | |
QY 928 GCTGTGGCCCACTATGAGGGCCAAAGAAAGACAGCAACATGACCTACGAGAAAGCTG 987
| | | | | | | | | | | | | | | | | | | | | |
Db 668 GCCCTGGCAAGATGTGGGACAAAGGAAAGAAATGACAGAAATGAGTGAATGAAAAAGTTG 727
| | | | | | | | | | | | | | | | | | | | | |
QY 988 AGCGGGCCATGAGTACTACTACAAACGAGAGATCCTGGAACGGGTGATGCGCGCGCA 1047
| | | | | | | | | | | | | | | | | | | | | |
Db 728 AGCAGAGCCCTGAGATACCTATTAATAACAGAAATTTTGGAGCGGGT---TGACCAAG 784
| | | | | | | | | | | | | | | | | | | | | |
QY 1048 CTCGTACAAAGTTTGGCAAAACCTCAAGCGGCTGGAAGAGGAGAGGT 1097
| | | | | | | | | | | | | | | | | | | | | |


```

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: AEDIT 1.0 DOS text editor
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/343,443B
FILING DATE: 18-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR93/00494
FILING DATE: 19-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 92/06123
FILING DATE: 20-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Meiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 989,6121P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2938 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 143..1498
US-08-343-443B-3
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Query Match      5.7%; Score 63.4; DB 2; Length 2938;
Best Local Similarity 59.0%; Pred. No. 3.8e-07;
Matches 147; Conservative 0; Mismatches 96; Indels 6; Gaps 2;

QY 817 ACCACCTGTGGAGTTCATCCGGGACATCCTCATCCCGGAGCTCAACGAGGCGCTC 876
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 983 ATCCAGCTGTGGCAATTCCTCGAGCTCTCCGACAGCG---CCAAAGCGCAGCTGT 1039
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 877 ATGAAGTGGAGATGCGCATGGAAGGCGTCTCAAGTTCTCGGCGTCCGAGGCTGTGGCC 936
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1040 ATCACTGGAG---GGACCAACGGGAGCTCAAAATGACGAGCCCGGATGAGTGGCC 1096
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 937 CAACATATGGGCGCAAAAGAAAGACAGCAACATGACTAGAGAGCTGAGCGGCGCC 996
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1097 AGCGCGTGGGCGAGCGGAAAGCAAGCCCAACTGATTAACGACAGCTGAGCGGCGCC 1156
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 997 ATGAGTACTACTACAAACGAGAGATCTTGGAACGGGTGATGGCGCGGCACTGCTTAC 1056
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1157 CTCGCTATTACTATGATTAATAAACATATGACCAAAAGTGCAGCGCAAAAGATATGCTTAC 1216
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1057 AAGTTGGC 1065
    ||| ||| |||
DB 1217 AATTTGAC 1225
```

```

RESULT 15
US-08-469-412A-1
; Sequence 1, Application US/08469412A
; Patent No. 5856125
; GENERAL INFORMATION:
; APPLICANT: Mavrothalassitis, George J.
; APPLICANT: Blair, Donald G.
; APPLICANT: Fisher, Robert J.
; APPLICANT: Beal Jr., Gregory J.
; APPLICANT: Athanasiou, Meropi A.
; APPLICANT: Sgouras, Dionyssios N.
; TITLE OF INVENTION: The ERF Genetic Locus and Its Products
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
```

```

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2667 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 123..1769
OTHER INFORMATION: /note="human ERF (ETS2 Repressor
OTHER INFORMATION: Factor) cDNA"
US-08-469-412A-1
```

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Query Match      5.4%; Score 59.8; DB 2; Length 2667;
Best Local Similarity 55.9%; Pred. No. 3e-06;
Matches 137; Conservative 0; Mismatches 102; Indels 6; Gaps 1;

QY 817 ACCACCTGTGGAGTTCATCCGGGACATCCTCATCCCGGAGCTCAACGAGGCGCTC 876
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 201 ATCCAGCTGTGGCACTTATCTGAGCTCTCGGAGAGAGATACCGAGGCGCTCAT 260
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 877 ATGAAGTGGAGATGCGCATGGAAGGCGTCTCAAGTTCTCGGCGTCCGAGGCTGTGGCC 936
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 261 GCGTGGCAGGGGCGACTGCGGGAATTGCTCATCAAGACC-----CTGATGAGGTGGCC 314
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 937 CAACATATGGGCGCAAAAGAAAGACAGCAACATGACTAGAGAGCTGAGCGGCGCC 996
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 315 CGGCTGTGGGCGCTGCGCAAGTGCAGGCCCCAGATGATTAACGACAGCTGAGCGGCGCC 374
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 997 ATGAGTACTACTACAAACGAGAGATCTTGGAACGGGTGATGGCGCGGCACTGCTTAC 1056
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 375 CTCGCTATTACTATGATTAATAAACATATGACCAAAAGTGCAGCGCAAAAGCTTACCTTAC 434
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1057 AAGTT 1061
    ||| ||| |||
DB 435 AAGTT 439
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Search completed: September 23, 2001, 07:40:45
Job time: 16305 sec

